

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

	1.707/06 FERNANDO	D APPLICANT		ATTORNEY DOCKET NO.
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CUSHMAN, DARB 1615 L STREET WASHINGTON, D	, N.W.,	7 [-,	HADDELL A	XAMINER
		-	ART,UNIT	PAPER NUMBER
,			1.215	10
		L_ DA	TE MAILED:	1.0.11.0.1001
This is a communication for				09/10/87
	om the examiner in charge of your application. SIONER OF PATENTS AND TRADEMARKS			
_	The state of the s			
This application has been examined	d Responsive to communication filed o	7-6-87	_ This act	tion is made final.
A shortened statutory period for respon	1 2	days fr		
Failure to respond within the period for	r response will cause the application to become a	bandoned. 35 U.S.	.C. 133	ans retter.
Part I THE FOLLOWING ATTACK	HMENT(S) ARE PART OF THIS ACTION:			
1. Notice of References Cited		Notice re Patent Dra	wing, PTO-948.	
3. Notice of Art Cited by Appl	licant, PTO-1449 4.	Notice of informal Pa		n, Form PTO-152
5. Information on How to Effect	t Drawing Changes, PTO-1474 6.			 :
Part II SUMMARY OF ACTION				
1. Claims	0-13		are pendi	ing in the application.
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Of the above, claims			are without	Irawn from consideration.
2. Claims			have bee	n cancelled.
3. Claims			are allow	ed.
4. Claims/6	0-13.		are rejec	ted.
5. Ctaims			are objec	tod to
		***	are object	red to.
6. Claims		are subject	to restriction o	r election requirement.
7. This application has been f	liled with informal drawings which are acceptable	for examination purp	oses until such	time as allowable subject
	eving been indicated, formal drawings are required	in response to this	Office action.	
9. The corrected or substitute not acceptable (see exp	drawings have been received on	, These d	rawings are [acceptable;
10. The proposed drawing c	correction and/or the proposed additional or s			: on
	ved by the examiner. disapproved by the exa			4
the Patent and Trademark C	ection, filed, has been Office no longer makes drawing changes. It is no ST be effected in accordance with the instruction GES", PTO-1474.	w applicant's respons	sibility to ensur	e that the drawings are
12. Acknowledgment is made of	f the claim for priority under 35 U.S.C. 119. The	certified copy has	been receive	ed not been received
been filed in parent ap	plication, serial no.	: filed on		
13. Since this application appe	ars to be in condition for allowance except for to be under Ex parte Quayle, 1935 C.D. 11; 453 O.G	rmal matters, prosecu	ution as to the m	nerits is closed in
14. Other				

Serial No. 816,838 Art Unit 125

The rejections under 35 USC 112 and 35 USC 102 are no longer applicable.

The 1977 and 1978 Thrombosis Research articles are no longer applied.

The expressions "more particularly" and "and following" in claim 10 should be deleted. In claim 12, "an effective amount" should follow "containing" in line 2. The expression "lightly" in item 11 of claim 11 should be "slightly".

The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) and (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

Claims 10 to 13 are rejected under 35 U.S.C.

103 as being unpatentable over the British patent and

Hladovec et al in view of Nader et al, Waldman et al and

Thrombosis for reasons of record. The remarks

regarding the therapeutic action of the product herein

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being modified are not persuasive since unmodified fragments are used without further changes. From page 4 (lines 13-18) of the specification, it is noted that the instant fragments are old and well known in the art. The British patent relates to the sulfating of fraction; from the mother liquids of heparin purification process. The remarks regarding the British patent not mentioning antithrombotic activity do not remove the relevancy of the reference since heparin activity is taught. Heparin activity embraces both anticoagulant activity and antithrombotic activity. The remarks regarding the British patent teaching that the process therein is unsuitable for the problem solved by applicants' invention are not persuasive since (1) the problem that applicants allude to is not clear, (2) the claims are not directed to treating thrombosis and (3) the claimed compositions are obvious for the old uses for heparin.

The remarks regarding the other prior art are since nothing unexpected has not persuasive/been demonstrated employing the claimed sulfated fractions instead of the sulfated fraction of the prior art to treat thrombosis.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). The practice of automatically extending the shortened statutory period an additional month upon the filing of a timely first response to a final rejection has been discontinued by the Office. See 1021 TMOG 35.

Serial No. 816,838

Art Unit 125

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 CFR 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

Any inquiry concerning this communication should be directed to Examiner F. Waddell at telephone number 703-557-3920.

WADDELL/wgb

9/5/87

EXAMINER
GROUP ART UNIT 125